

Title: **Automated Transport Stream Apparatus and Method**
 Inventor(s): Ned L. Mountain
 Appln. No. TBA
 Docket #: 72449-026

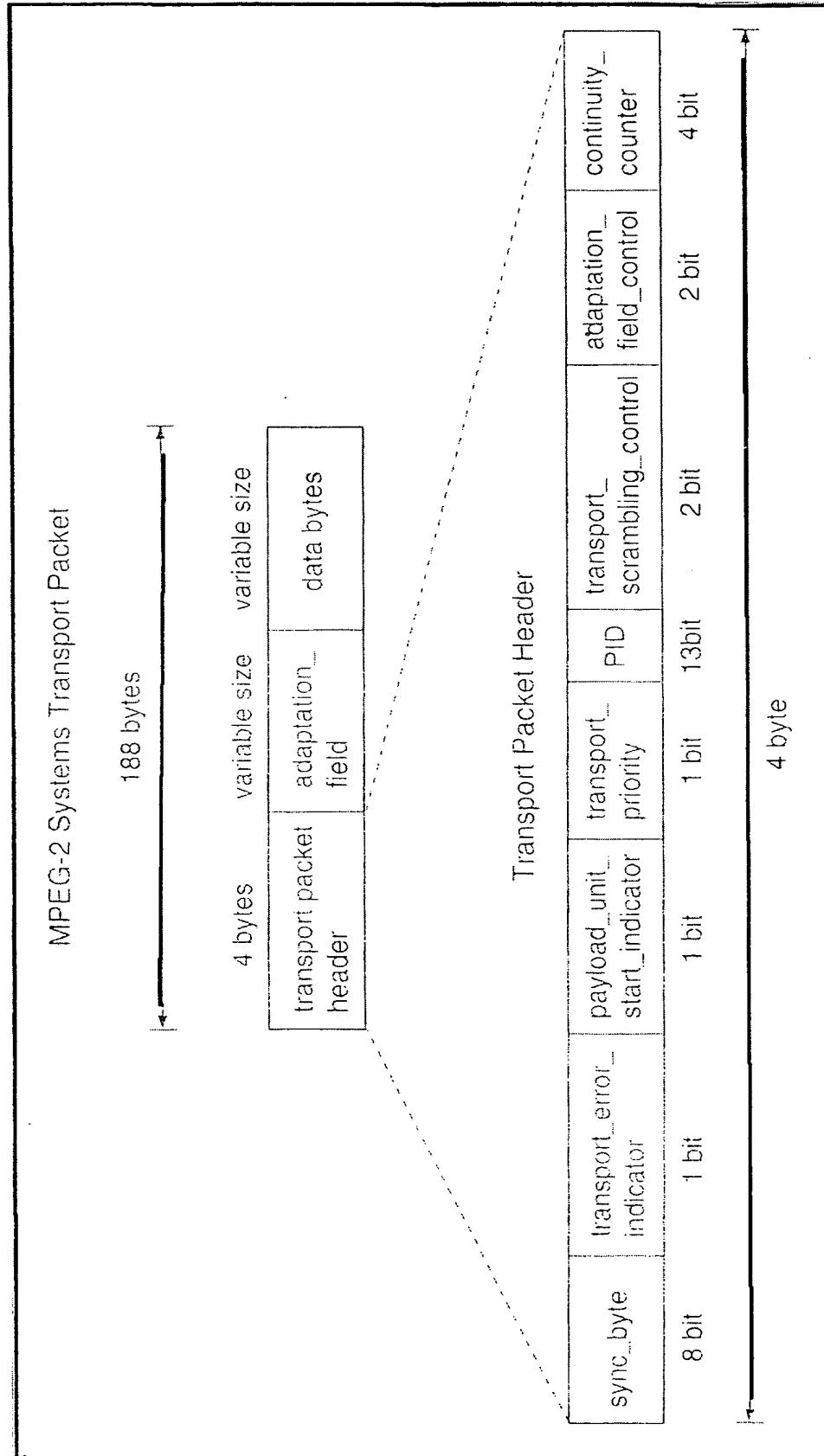


Fig. 1
Prior Art

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Syntax	No. of bits	Mnemonic
<pre> program_association_section() { table_id section_syntax_indicator '0' reserved section_length transport_stream_id reserved version_number current_next_indicator section_number last_section_number for (i = 0; i < N; i++) { program_number reserved if (program_number == '0') { network_PID } else { program_map_PID } } CRC_32 } </pre>	<p>8</p> <p>1</p> <p>1</p> <p>2</p> <p>12</p> <p>16</p> <p>2</p> <p>5</p> <p>1</p> <p>8</p> <p>8</p> <p>16</p> <p>3</p> <p>13</p> <p>13</p> <p>32</p>	<p>uimsbf</p> <p>bslbf</p> <p>bslbf</p> <p>bslbf</p> <p>uimsbf</p> <p>uimsbf</p> <p>bslbf</p> <p>uimsbf</p> <p>bslbf</p> <p>uimsbf</p> <p>uimsbf</p> <p>uimsbf</p> <p>bslbf</p> <p>uimsbf</p> <p>uimsbf</p> <p>rpchof</p>

Fig.2
Prior Art

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Syntax	No. of bits	Mnemonic
<pre> TS_program_map_section() { table_id section_syntax_indicator '0' reserved section_length program_number reserved version_number current_next_indicator section_number last_section_number reserved PCR_PID reserved program_info_length for (i = 0; i < N; i++) { descriptor() } for (i = 0; i < N1; i++) { stream_type reserved elementary_PID } reserved ES_info_length for (i = 0; i < N2; i++) { descriptor() } CRC_32 } </pre>	<p>8 1 1 2 12 16 2 5 1 8 8 3 13 4 12</p> <p>8 3 13 4 12</p> <p>32</p>	<p>uimsbf bslbf bslbf bslbf uimsbf uimsbf bslbf uimsbf bslbf uimsbf uimsbf bslbf uimsbf bslbf uimsbf</p> <p>uimsbf bslbf uimsbf</p> <p>bslbf uimsbf</p> <p>rpchof</p>

Fig. 3
Prior Art

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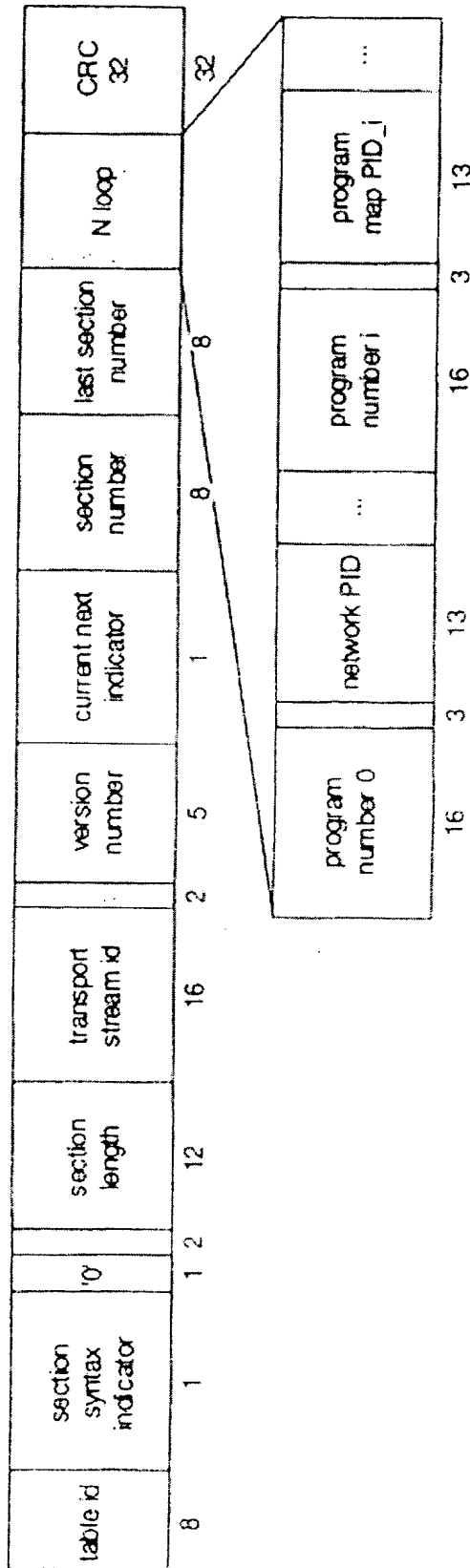


Fig.4
Prior Art

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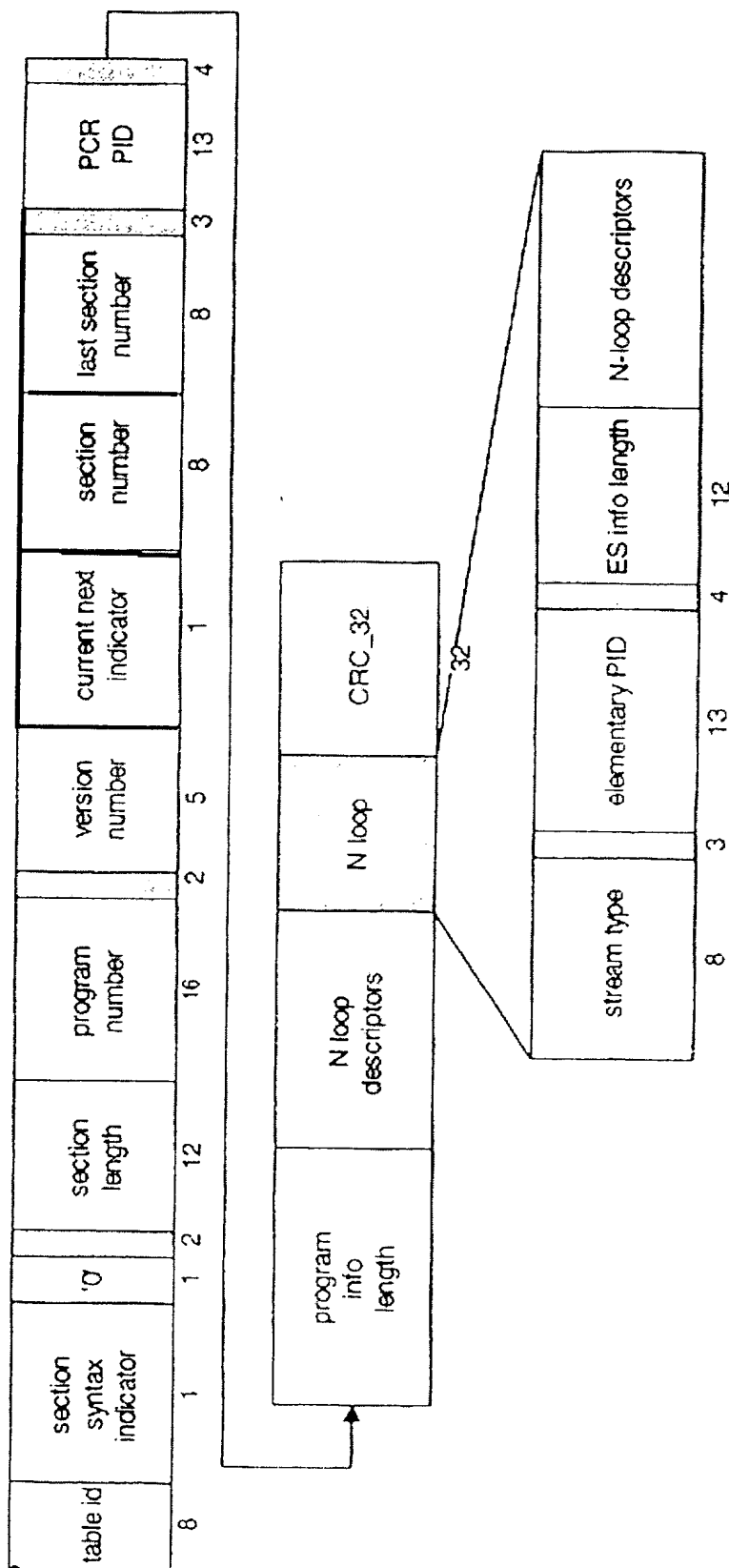


Fig.5 Prior Art

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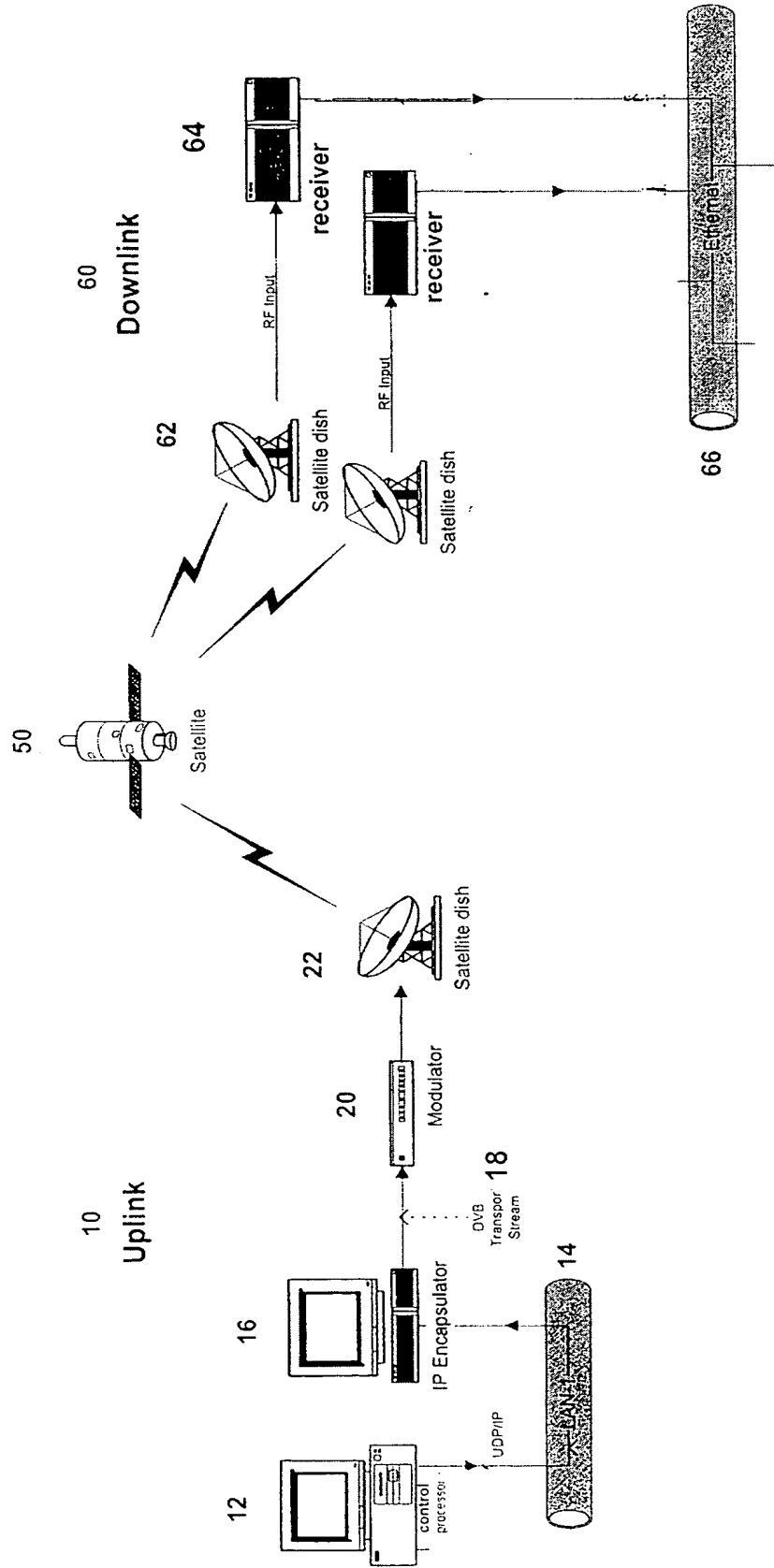


Fig. 6

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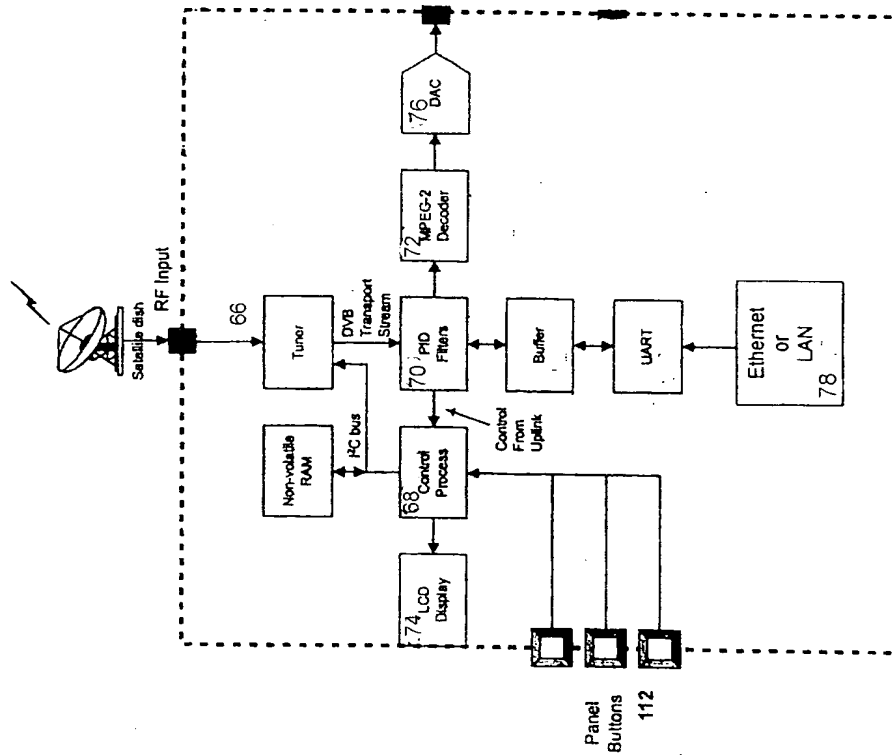


Figure 7

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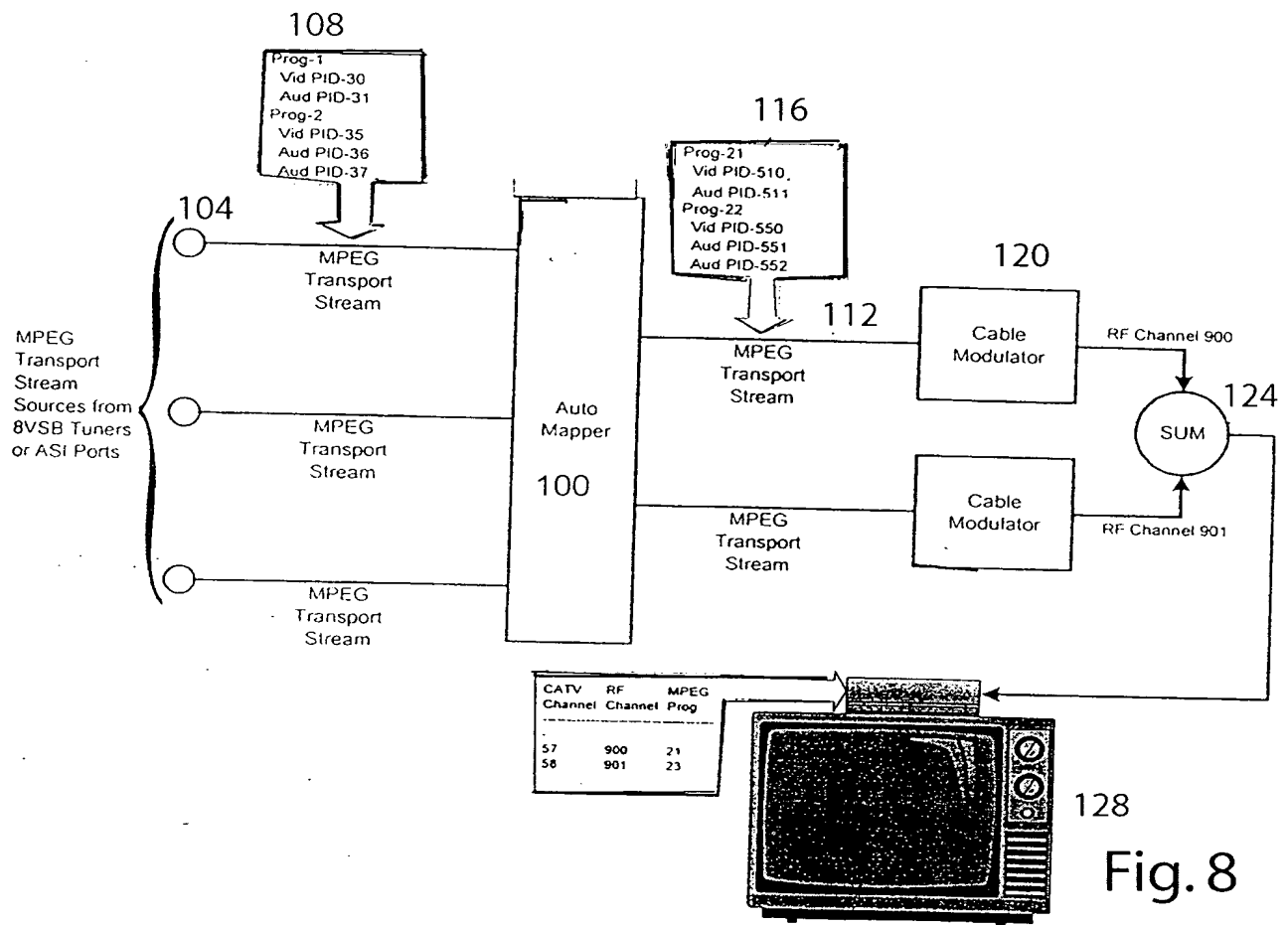


Fig. 8

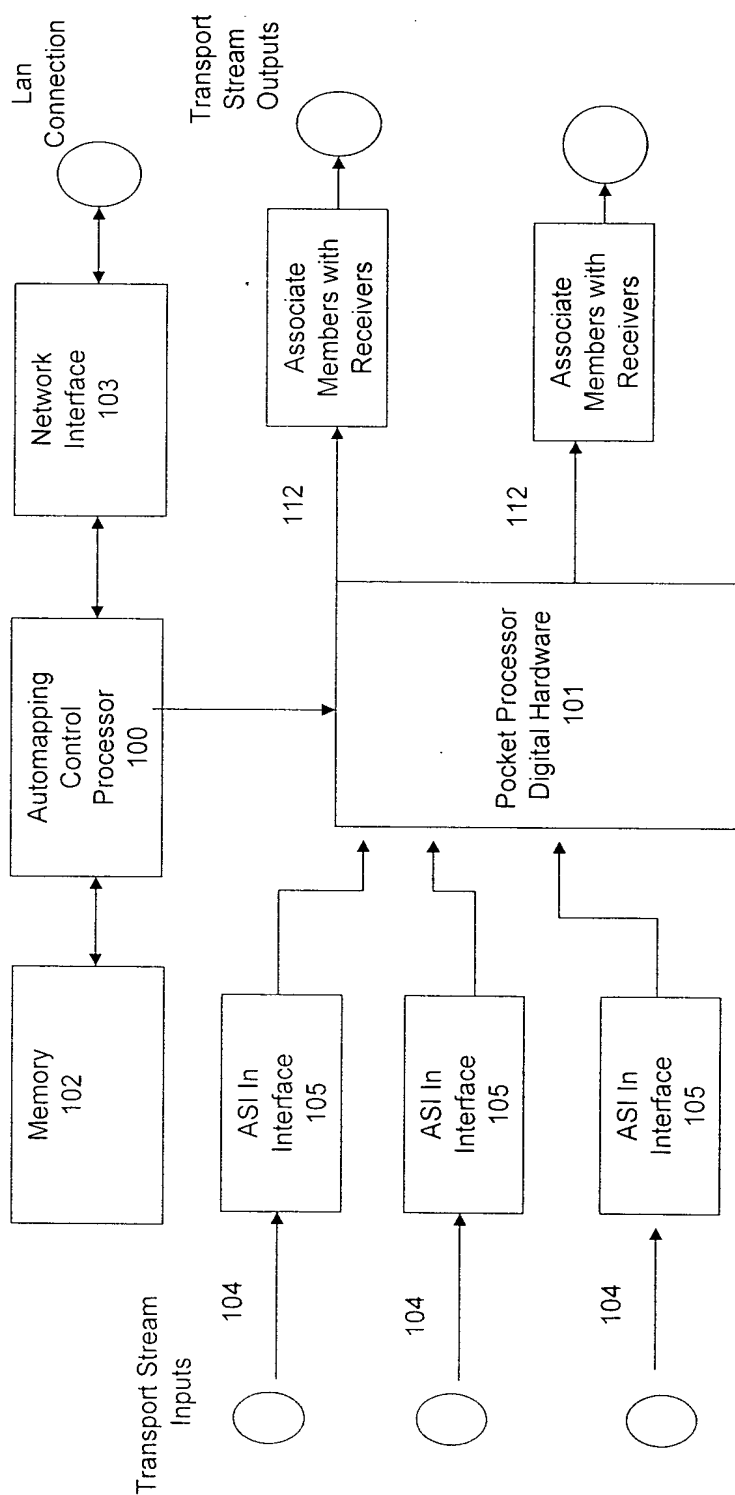


Fig. 9

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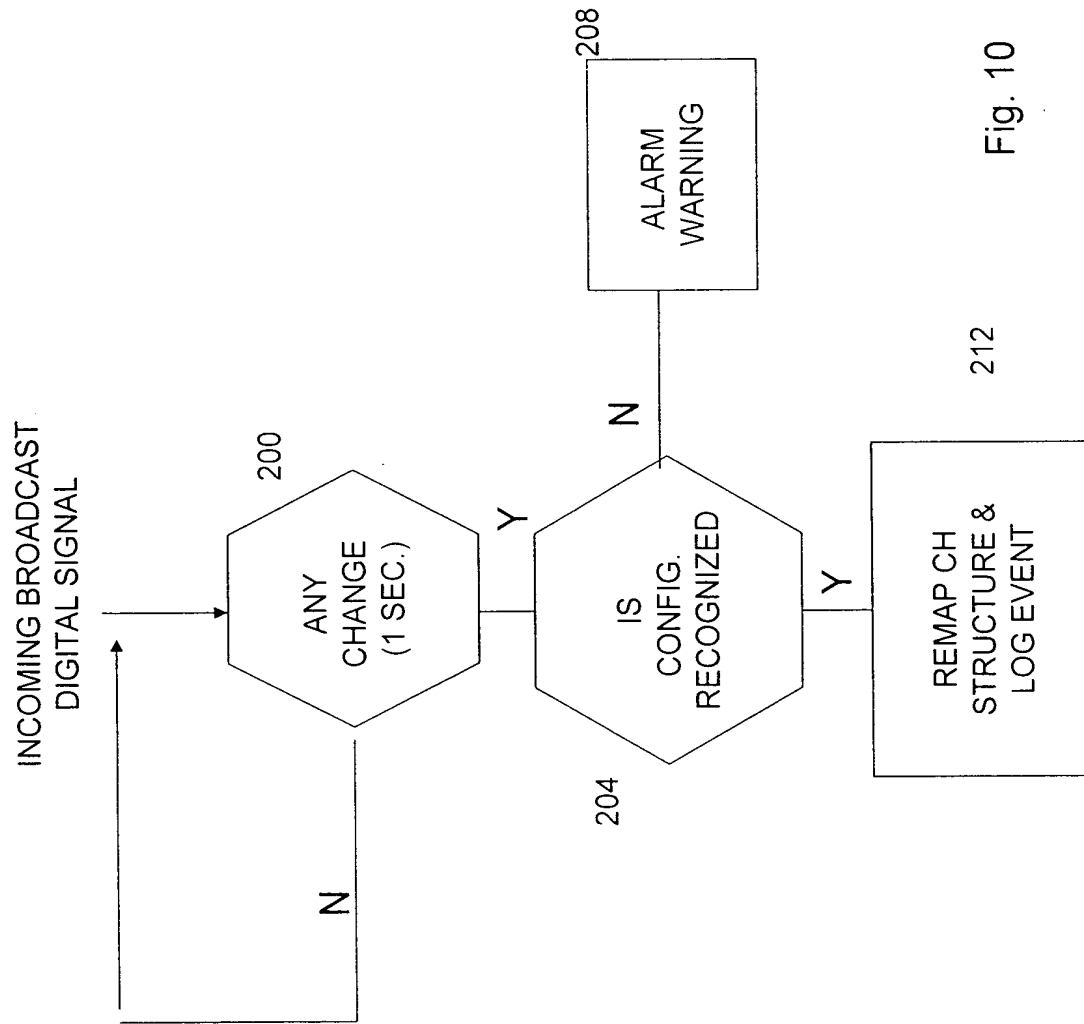


Fig. 10

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Remapping Flowchart

- routing mode
- shown for one input TS

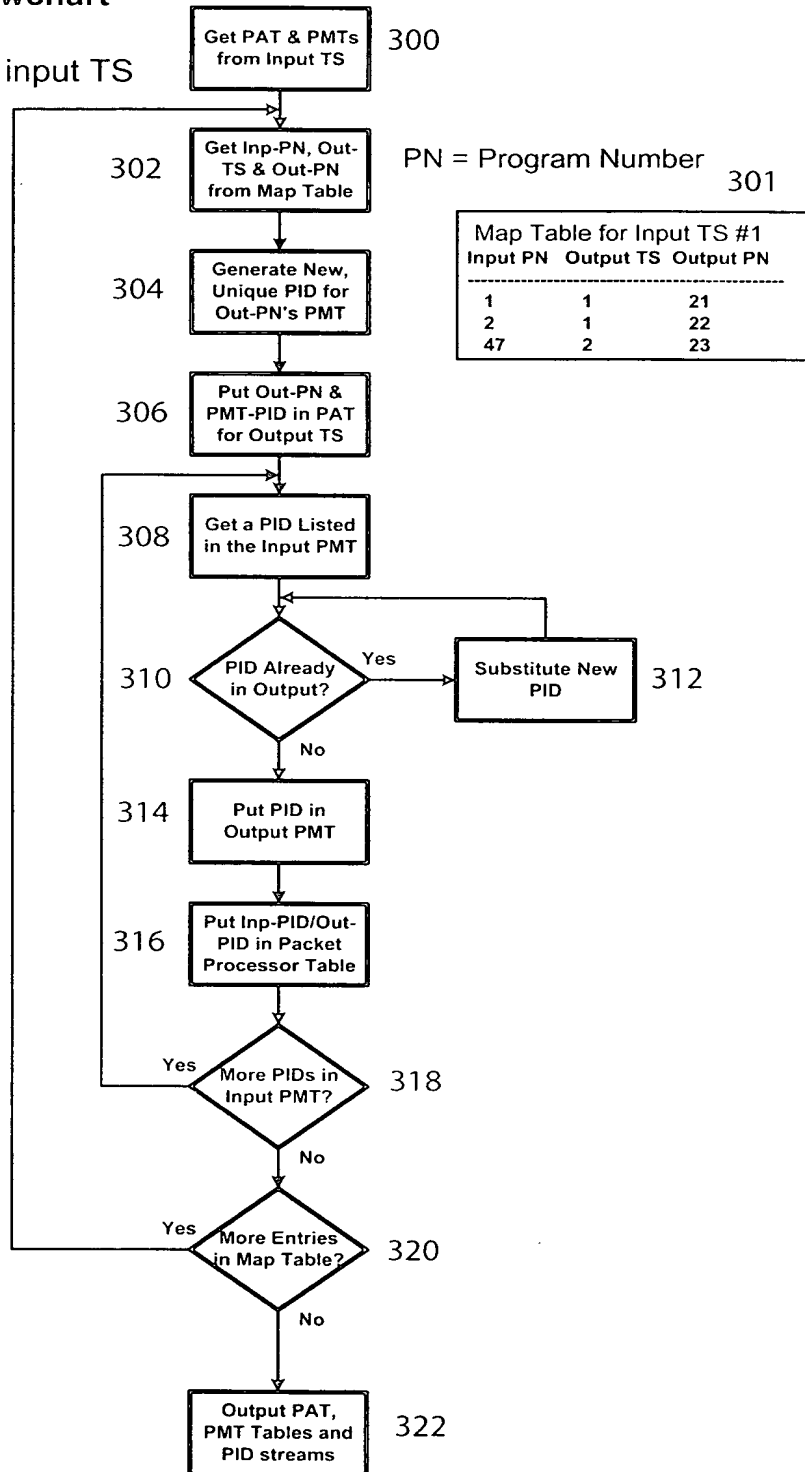


Fig. 11

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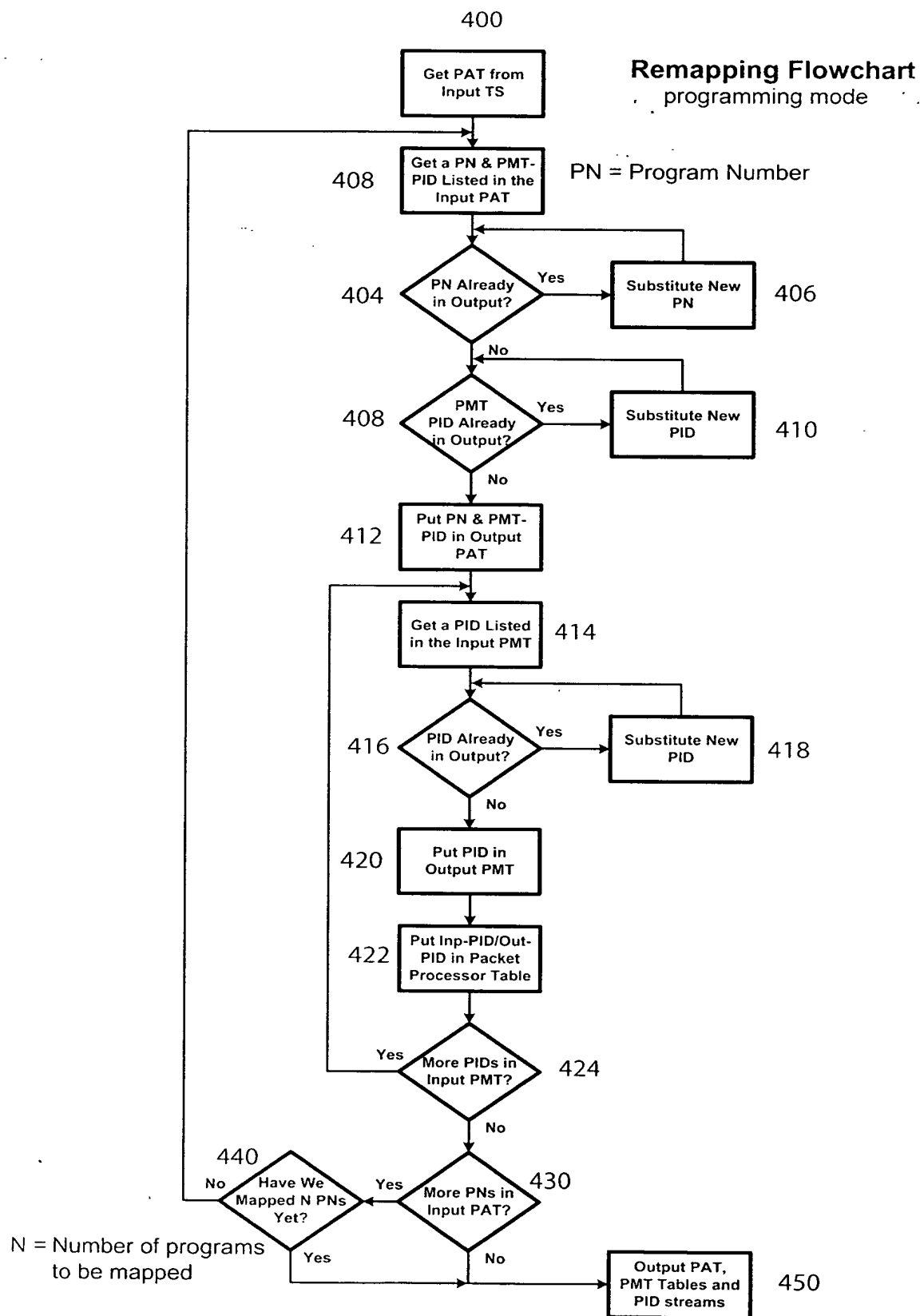


Fig. 12

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Item	Input	Input Program Number	Output	Output Program Number	Enable
1	1	3	1	1	Active
2	1	2	1	2	Active
3	2	2	1	3	Active
4	2	3	1	4	Active
5	2	4	2	5	Active
6	2	5	2	6	Active
7	0	0	0	0	Inactive
8	0	0	0	0	Inactive

Fig.13

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Item	Program Table Item Number	Input	Input PID	Output	Output PID	Stream Type
1	1	1	49	1	49	2
2	1	1	52	1	52	129
3	2	1	33	1	33	2
4	2	1	36	1	36	129
5	3	2	49	1	101	2
6	3	2	52	1	102	129
7	4	2	33	1	104	2
8	4	2	36	1	105	129
9	5	2	65	2	65	2
10	5	2	68	2	68	129
11	6	2	81	2	81	2
12	6	2	84	2	84	129
13	0	0	0	0	0	0
14	0	0	0	0	0	0

Fig. 14